

MAK DRILLOL

Environment friendly premium fluid for high performance drilling

MAK Drillol is a low viscosity colourless, odourless product with high flash point for use in oil based mud drilling. MAK Drillol is an environment friendly product that meets the required regulations for drilling. In addition to its outstanding environmental attributes its special properties also offer excellent drilling performance.

Applications:

MAK Drillol is recommended as drilling mud based fluid and is extensively used in both onshore and offshore (deep water) oil exploration. It ensures protection to both environment and health of operators.

Performance/ Benefits:

Environment Friendly Product – has virtually nil aromatic and sulphur content which makes it an excellent candidate as an environmentally friendly drilling base fluid.

Excellent Thermal Stability – offers exceptional thermal stability which helps to take care of the arduous working conditions experienced in drilling such as high temperature and high pressure.

Outstanding Drilling Performance – offers excellent cooling performance and lubrication to the drill bit. Low viscosity of oil helps in enhanced rate of penetration, increased hole cleaning efficiency and improved hole stability.

Non Toxic – presence of nil aromatics, polycyclic aromatic or carcinogenic compounds helps in enhancing worker safety and also makes the product safe for marine life.

Minimal Safety Risk – low vapor pressure and relatively high flash point of product poses minimal risks of fire hazard and explosion while in operation making it ideal for use in drilling in a range of well conditions.

Excellent Biodegradability – offers excellent biodegradability. It is an important factor for drilling fluids to ensure that the fluids do not persist in the environment for long periods of time.

Specification:

- Proprietary Grade

Approvals:

- Ecotoxicity certification from CSIR-NIO (National Institute of Oceanography)

Typical Physico-Chemical Data: MAK Drillol

Characteristics	Method	Value
Appearance	Visual	Clear
Color	ASTM D1500	L 0.5
Density at 29.5°C, g/cc	ASTM D1298	0.803
Kinematic Viscosity @40°C, cSt	ASTM D445	2.5
Flash Point, °C	ASTM D93	95
Pour Point, °C	ASTM D97	< -30
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Distillation, IBP, °C	ASTM D86	210
Aniline Point, °C	ASTM D611	82
Aromatics, %m	ASTM D2140	<0.1

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.